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NOTICE OF ALLOWANCE AND ISSUE FEE DUE

PAUL LEMPEL
KENYON & KENYON
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NEW YORK NY 10004

LM21/0114

21

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/267,108	06/27/94	042	GROUETT, P 2761	12/24/97
First Name of Applicant	MARSHALL, PAUL S.			

TITLE OF INVENTION
VIRTUAL REALITY GENERATOR FOR USE WITH FINANCIAL INFORMATION

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3- 15076	705-035.000	V78	UTILITY	YES	\$660.00	03/24/98

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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- B. If the status is the same, pay the FEE DUE shown above.

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III. All communications regarding this application must give application number and batch number.
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LM21/1224

PAUL LEMPEL
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ONE BROADWAY
NEW YORK NY 10004

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/267,108	06/27/94	043	GROUTT, P	2761 12/24/97
First Named Applicant	MARSHALL, PAUL S.			

TITLE OF INVENTION VIRTUAL REALITY GENERATOR FOR USE WITH FINANCIAL INFORMATION

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3 15076	705-035.000	V78	UTILITY	YES	\$660.00	03/24/98

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/267,108	06/27/94	MARSHALL	P 15076

PAUL LEMPEL
KENYON & KENYON
ONE BROADWAY
NEW YORK NY 10004

LM21/1224

EXAMINER
GROTT, P

ART UNIT	PAPER NUMBER
2761	

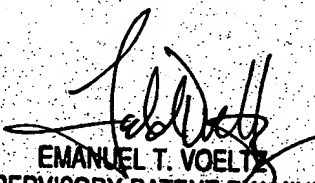
DATE MAILED:

20
12/24/97

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

See attached


EMANUEL T. VOELTZ
SUPERVISORY PATENT EXAMINER
GROUP 2400

Notice of Allowability

Application No.
08/267,108

Applicant(s)
Paul S. Marshall

Examiner
Groutt, Phillip

Group Art Unit
2761



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to 9/19/97

☒ The allowed claim(s) is/are 85-92, 94-127

☐ The drawings filed on _____ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

EMANUEL TODD VOELTZ
SUPERVISORY PATENT EXAMINER
GROUP 2700

Art Unit: 2411

DETAILED ACTION

Allowable Subject Matter

1. Claims 85-127 allowed.
2. The following is an examiner's statement of reasons for allowance:

Independent claims 85, 104, 106, 118, 123, 124, and 125, all disclose a virtual reality generator to display pre-processed financial information as a virtual reality world. The prior art does admit many applications of virtual reality, and even suggestion of the use of virtual reality for viewing financial information, however, the specific embodiment being claimed in these independent claims is not taught or even suggested in the prior art of record. Specifically, the limitation that the user interface module includes a first input selecting a non-integer terrain parameter for each of a first axis of a three dimensional interface and a second axis of the three dimensional interface and a second input for selecting an axis display parameter for a third axis of the three dimensional interface, the , the user interface module selecting a portion of the pre-processed financial information as a function of the non-integer terrain parameters and the axis display parameter. There is no evidence in the prior art to affirm a rejection of this limitation and as such the final rejection is withdrawn.

The remaining dependent claims 86-103, 105, 107-117, 119-122, 126, and 127 are likewise allowed as depending from the independent claims as discussed above.

Art Unit: 2411

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip Groutt whose telephone number is (703) 306-2906. The examiner can normally be reached on Mondays to Fridays from 9:00 to 5:00.

4. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gail Hayes, can be reached on (703) 305-9711. The fax phone number for this Group is (703) 308-5357.

5. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

W
12/19/97
~~6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to whose telephone number is (703).~~

Phillip Groutt *PZ*

December 11, 1997

Emmanuel T. Voeltz
EMANUEL T. VOELTZ
SUPERVISORY PATENT EXAMINER
GROUP 2400